

# **Year-End Performance Report March 2006**

## **A Summary of Maintenance Facility Storm Water Compliance Reviews**

**(July 2004 though June 2005)**



CTSW-RT-05-135,136,02,02.2

**Caltrans Environmental Program  
Division of Environmental Analysis  
Sacramento, California**

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## ATTACHMENTS

ATTACHMENT A	Caltrans Maintenance Facility Storm Water Compliance Review Checklist
ATTACHMENT B	Maintenance Facility Compliance Review Rating Guidelines and Procedures

## 1.0 INTRODUCTION

The *Year-End Performance Report –October 2005* summarizes the storm water compliance reviews conducted at the California Department of Transportation (Department) maintenance facilities performed under Contract No. 43A0135 and 43A0136 from July 2004 through June 2005. The storm water inspections were conducted to verify compliance with the requirements of the Department's currently approved *Statewide Storm Water Management Plan (SWMP)*, which was developed in accordance with the water pollution control requirements of the *National Pollutant Discharge Elimination System (NPDES) Permit for Storm Water Discharges from the State of California, Department of Transportation (Caltrans) Properties, Facilities, and Activities (Order No. 99-06-DWQ), Permit No. CAS000003 (Caltrans Permit)*.

The key elements of this Year-End Performance Report include:

- Description of the storm water maintenance facility compliance program (Section 2.0).
- Summary of maintenance facility compliance inspections results and storm water management Best Management Practice (BMP) effectiveness (Section 3.0).
- Maintenance facility compliance inspection assessments and trends (Section 4.0).
- Summary of Compliance Assistance (Section 5.0).

## 2.0 MAINTENANCE FACILITY COMPLIANCE PROGRAM

The Maintenance Facility Compliance Program is an effort of the Department's Environmental Program Division to inspect all maintenance facilities statewide for storm water compliance within a 4-year period. Inspections were conducted by the Maintenance Facility Compliance Review Team consisting of District Maintenance Storm Water Coordinators, Headquarters Division of Maintenance staff, and third party (consultant) inspectors. The inspections were conducted in accordance with the Department's approved *Annual Maintenance Facility Compliance Review Plan (AMFCRP)*, and in consultation and coordination with Department's Environmental Program Division and Maintenance Division staff. The Storm Water Maintenance Facility Compliance Program included the following components:

- Continuation of a storm water inspection program based on the BMPs identified in the SWMP, including facility selection criteria, review frequency, facility review checklist and a rating system.
- Continuation of reporting of inspection results, communication with Maintenance and Headquarters staff, and on-site training.

This *Year-End Performance Report* summarizes the Team's activities and results for the third year of the 4-year program (July 2004 through June 2005).

### 2.1 INSPECTIONS

The Team inspected approximately 25 percent of the facilities in each District, for a total of 90 inspections (83 initial and 7 revisits). Inspections were conducted on the following operations conducted at the facilities:

- Building and Grounds Maintenance
- Storage of Hazardous Materials (Working Stock)
- Material Storage Control (Hazardous Waste)
- Outdoor Storage of Raw Materials
- Vehicle and Equipment Fueling
- Vehicle and Equipment Cleaning
- Vehicle and Equipment Maintenance and Repair
- Aboveground and Underground Tank Leak and Spill Control

The Database Summary presented in Table 1 summarizes the complete inspection history of each maintenance facility reviewed during the reporting period.

### 2.1.1 Facility Selection Criteria

The selection of facilities for inspection was based on geographical location (to target 25 percent of the facilities in each District), specific types of activities conducted at the facility, and facility size. The Database Summary identifies the maintenance facilities that were inspected during the reporting period.

### 2.1.2 Review Criteria and Checklist

To maintain compliance with the SWMP, Caltrans developed and implemented a *Maintenance Facility Compliance Guidelines and Procedures* (Attachment A) and a standardized *Maintenance Facility Storm Water Compliance Inspection Checklist* (Attachment B) at all facility inspections. These procedures and checklist were developed in consultation with Department's Environmental Program Division and Maintenance Division to evaluate the overall effectiveness of storm water pollution prevention practices, implementation of those practices, and the potential for pollutant discharge at a facility.

During the inspection, the inspector rated the compliance status of the facility and documented the results using the *Maintenance Facility Storm Water Compliance Inspection Checklist*. Following each inspection, a copy of the completed checklist was submitted and reviewed with the maintenance facility supervisor, DMSWC, and/or their designated representatives.

### 2.1.3 Rating System

During a compliance inspection, the inspector evaluates the facility for each of the BMP categories on the *Facility Storm Water Compliance Inspection Checklist* and assigns a rating that represents an overall assessment of the facility's compliance with storm water pollution prevention requirements. The rating consists of a numeric component (1 through 4) and a letter component (A, B, C) as defined in the *Maintenance Facility Compliance Review Rating Guidelines and Procedures*, and as summarized below.

Numeric Rating Summary	
1	The facility is in compliance with Storm Water Management Plan (SWMP) requirements
2	Minor deficiencies noted. The facility is in compliance with SWMP requirements
3	Major deficiency noted that require prompt correction.
4	Critical deficiency noted that require immediate correction
Letter Rating Summary	
A	Overall implementation of BMPs is highly effective.
B	Overall implementation of BMPs is moderately effective.
C	Major and critical deficiencies in the overall implementation of BMPs.

Facilities that received a numeric rating of 1 or 2 are considered to be in compliance with the SWMP. A letter rating of A or B indicates that the facility's water pollution control effort is effective. In contrast, a numeric rating of 3 or 4 indicates the need for corrective actions, and a letter rating of C indicates that the facility's water pollution control effort is ineffective. If a facility received a 3 or 4 rating, corrective actions were recommended and the facility was re-inspected to determine if the recommended corrective actions were implemented and if the facility is in compliance with the SWMP.

Table 1

## Database Summary

District	Overall Rating	Site Name	Date	Building and Grounds Maintenance	Storage of Hazardous Materials (Working Stock)	Material Storage Control (Hazardous Waste)	Outdoor Storage of Raw Materials	Vehicle and Equipment Fueling	Vehicle and Equipment Cleaning	Vehicle and Equipment Maintenance and Repair	Aboveground and Underground Tank Leak and Spill Control
1	2B	Willow Creek	10/8/2004	1B	1B	1A	2B	2B	2B	2B	1A
1	2B	Crescent City	11/3/2004	2B	1B	1B	2B	1A	2B	NA	NA
1	2B	Idlewild	11/3/2004	1B	1A	1B	2B	1A	2B	1B	1B
1	2B	Orleans	11/4/2004	2B	1B	1B	2B	1A	2B	1A	NA
2	2B	Burney	10/19/2004	1B	1A	1B	1B	NA	NA	2B	1A
2	2A	Quincy	10/20/2004	2A	1A	1A	1B	NA	2A	1A	1A
2	2B	Trinity Center	10/21/2004	2B	1A	1A	2B	1B	1B	1A	1A
2	1B	Redding	6/13/2005	1B	1A	1B	1B	NA	1B	NA	1A
2	1B	Chester	6/15/2005	1B	1B	1A	1B	1B	1A	1A	1B
3	2B	Woodland	11/29/2004	2B	NA	1A	1A	1A	2B	1A	NA
3	2C	Marysville	11/30/2004	2C	1A	2B	2C	2B	1B	1A	NA
3	1B	Northgate	11/30/2004	1B	1A	1A	1B	1A	1B	1A	NA
3	3B	Roseville	12/1/2004	3B	1A	1B	1B	2B	3B	1A	NA
3	2B	Roseville	12/17/2004	2B	1A	1A	1A	1B	2B	1A	NA
3	2B	Sacramento Bridge	1/12/2005	2B	1A	na	na	na	na	na	na
3	2B	Placerville	4/18/2005	2B	1A	1B	1A	1A	NA	2B	1B
3	2B	Kingvale	4/19/2005	2B	1A	1A	1B	1B	2B	1A	NA
3	1B	Truckee	4/19/2005	1B	1A	1A	1B	1B	1A	1B	NA
3	1B	Kyburz	6/2/2005	1A	1B	1A	1A	1B	1B	1A	1A
4	2B	Fort Ross	1/3/2005	2B	NA	1B	1B	2B	2B	1B	1A
4	2B	Fremont	1/11/2005	2B	1A	1A	2B	1B	1B	1A	NA
4	1B	Alcosta	1/11/2005	1B	1A	NA	NA	NA	NA	NA	NA
4	2B	Sacramento Paint	1/12/2005	2B	1A	1A	NA	2B	NA	1B	NA
4	3B	Richmond Bridge Maintenance Facility	1/12/2005	3B	1A	1A	2B	3B	NA	2B	NA

Table 1 (page 2)

4	1A	Richmond San Rafael Bridge Paint	1/12/2005	1A	1A	1A	na	na	na	na	1A
4	2B	Sacramento Paint	1/12/2005	2B	1A	2B	NA	NA	NA	NA	NA
4	2B	Richmond Bridge Maintenance	1/31/2005	2B	1A	1A	1A	2B	NA	1B	NA
4	1B	Dumbarton Bridge Toll Station	2/1/2005	1B	NA	1A	1A	NA	1B	NA	NA
4	3B	Dumbarton Bridge Maintenance Station	2/1/2005	3B	1B	1A	1A	NA	NA	NA	NA
4	3B	San Mateo Bridge Paint Station	2/1/2005	3B	2B	1A	1A	NA	NA	NA	NA
4	2B	San Jose Maintenance Station	2/2/2005	2B	1A	NA	1A	NA	1A	1A	NA
4	1B	Page Mill Electrical	2/2/2005	1B	1A	NA	NA	NA	NA	NA	NA
4	1A	San Mateo Bridge Paint Station	3/14/2005	1A	1A	1A	1A	NA	NA	NA	NA
4	1B	Dumbarton Bridge Maintenance Station	3/14/2005	1B	1A	1A	1A	NA	NA	NA	NA
4	1B	West Bay Bridge Paint Station	3/15/2005	1B	1A	1B	NA	1A	1B	NA	NA
4	3B	SFOBB Paint and Maintenance	3/16/2005	3B	1B	1B	3B	2B	2B	1B	NA
4	2B	SFOBB Tow and Toll Plaza	3/16/2005	2B	1A	1A	NA	2B	1B	1B	1B
4	1B	106th Avenue Electrical	3/18/2005	1B	NA	1A	NA	NA	NA	NA	NA

Table 1 (page 3)

4	1A	Telegraph Landscape	3/21/2005	1A	1A	NA	NA	NA	1A	NA	NA
4	2B	SFOBB Paint and Maintenance	5/5/2005	2B	1A	1B	2B	2B	1B	1B	
4	1B	Rio Dell Bridge Paint Station	5/23/2005	1B	1A	1A	NA	NA	NA	NA	NA
5	2B	Santa Cruz Maintenance Station	2/14/2005	2B	1A	1B	1A	2B	1A	1A	
5	2A	Hollister Maintenance Station	2/15/2005	1B	1A	1B	1A	1A	1A	1A	NA
05	2B	Cuyama Maintenance	3/15/2005	2B	1A	NA	1A	2A	NA	NA	1A
05	3C	Buellton Maintenance	3/15/2005	3B	1A	1A	2B	1A	3C	2A	2A
05	1A	Buellton Maintenance	3/28/2005	1A	1A	1A	1A	1A	1A	1A	1A
06	2A	Pine Street Maintenance	1/3/2005	2A	1A	1A	2A	1A	NA	1A	1A
06	2B	Wasco Maintenance	1/4/2005	2B	1A	1A	2B	1A	1A	1A	1A
6	2B	Glennville Maintenance	1/4/2005	2B	1A	1A	2B	1A	1A	1A	1A
06	1A	Mendota Maintenance	5/16/2005	1A	1A	1A	1A	1A	1A	1A	NA
6	2A	Delano Maintenance	5/17/2005	2A	1A	1A	1A	1A	1A	2A	1A
06	2A	West Avenue Maintenance	5/17/2005	1A	1A	1A	1A	1A	2A	1A	NA

Table 1 (page 4)

07	2B	Ventura Maintenance	1/24/2005	2B	2A	1A	2B	1A	2A	2A	1A
07	2B	Chilao Maintenance	4/4/2005	2B	2A	1A	2B	1A	1A	2B	2A
07	2B	Alameda Maintenance	4/5/2005	2B	1A	1A	2B	NA	1A	2A	NA
07	2A	Torrance Maintenance	4/5/2005	2A	1A	1A	2A	NA	1A	1A	NA
07	2B	Willow Maintenance	4/8/2005	2B	1A	1A	2A	NA	NA	2A	NA
07	2A	Big Sycamore Maintenance Station	1/25/2005	1A	1A	1A	2A	1A	1A	1A	1A
07	2B	Moorpark Maintenance Facility	1/25/2005	2B	1A	1A	2A	1A	1A	2A	1A
07	2A	Pomona Maintenance Station	1/26/2005	2A	1A	1A	2A	1A	NA	NA	NA
7	2A	Commerce Maintenance Yard	2/8/2005	2A	1A	1A	2A	1A	1A	2A	1A
7	1A	Cerritos Landscape Facility	2/8/2005	1A	1A	NA	1A	NA	1A	NA	NA
7	3B	Willow Electrical Yard	2/8/2005	3B	2B	2B	2A	NA	NA	NA	NA
7	2A	Lancaster Maintenance Yard	2/9/2005	2A	1A	2A	1A	1A	2A	2A	1A
08	1A	Needles Maintenance	12/9/2004	1A	1A	1A	1A	1A	1A	1A	1A



Table 1 (Page 5)

08	2B	Victorville maintenance	12/10/2004	2B	1A	1A	2B	2A	2A	1A	1A
08	2B	Cajon Maintenance	12/10/2004	2B	1A	1A	2A	1A	2B	1A	1A
08	2B	Cajon Maintenance	12/10/2004	2B	1A	1A	2A	1A	2B	1A	1A
08	2A	Camp angelus	12/10/2004	2A	1A	1A	2A	1A	NA	2A	1A
08	2A	Shop 8	5/2/2005	2A	1A	1A	2A	NA	1A	1A	NA
08	2A	Indio Maintenance	5/3/2005	2A	1A	1A	2A	1A	1A	1A	1A
08	2A	Desert Center Maintenance	5/3/2005	1A	1A	1A	1A	1A	NA	2A	2A
09	1A	Minaret Maintenance	10/25/2004	1A	1A	NA	1A	1A	NA	1A	1A
9	2B	Crestview Maintenance	10/25/2004	2A	1A	1A	2A	1A	NA	2B	2B
09	2B	Mojave Maintenance	10/27/2004	2B	1A	1A	2B	1A	2A	2A	1A
9	2A	Bridgeport Maintenance Station	3/21/2005	1A	1A	1A	2A	1A	1A	2A	1A
9	2A	Bishop Maintenance Station	3/22/2005	1A	1A	1A	2A	1A	1A	1A	NA
10	1A	Stockton Landscape	12/13/2004	1A	1A	NA	NA	NA	NA	NA	NA
10	2B	West Point Maintenance Station	12/14/2004	2B	1A	1A	1B	1A	1A	1A	2B
10	1B	Midpines Maintenance Station	5/9/2005								

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10	2B	Coulterville Maintenance Station	5/10/2005	1B	1B	1A	2B	1A	2B	1A	1A
10	28	Lone Maintenance Station	5/11/2005	2B	1A	1A	2B	NA	2B	2B	1A
10	2B	Lodi Maintenance Station	5/11/2005	1B	2B	1A	NA	NA	1B	1B	NA
11	2A	Camino Del Rio South Maintenance	11/15/2004	2A	1A	NA	1A	NA	NA	NA	NA
11	2A	Cholas Maintenance	11/16/2004	2A	1A	NA	NA	NA	NA	NA	NA
11	2A	Imperial Maintenance	6/14/2005	2A	1A	1A	1A	1A	NA	1A	NA
11	2A	Otay Maintenance	6/15/2005	2A	1A	1A	1A	1A	NA	1A	NA
12	2A	Marine Way Maintenance Facility	3/7/2005	1A	2A	NA	1A	NA	NA	NA	NA
12	2A	Forbes Maintenance	3/8/2005	1A	2A	1A	1A	NA	NA	NA	NA
12	2B	Brea Maintenance Facility	4/11/2005	2B	1A	2B	1A	NA	2B	1A	NA

## **2.2 FACILITY POLLUTION PREVENTION PLANS (FPPPs)**

Each facility inspection included a review of the FPPP and required monthly storm water inspection documentation in order to evaluate the facility's compliance with the SWMP. FPPP and documentation review results were noted on the Facility Storm Water Compliance Inspection Checklist.

## **2.3 REPORTING AND COMMUNICATIONS**

Throughout the reporting period, on-going communications were maintained with Headquarters personnel about program activities and results. In addition, status reports were submitted to Headquarters staff and the DMSWCs to summarize inspection activity by District and to identify program issues and major or critical deficiencies.

### **2.3.1 Status Reports**

The Team prepared monthly status reports that were submitted to Headquarters staff. Each status report provided a list of District maintenance facilities inspected, a summary of inspection results, and general deficiencies observed by Team inspectors in the field.

### **2.3.2 Database Summary**

A database summary was maintained to make inspection results and other useful information readily available to Headquarters staff and Team members. The database includes facility reference information, such as maintenance facility addresses and Team member contact information; overall facility and individual BMP ratings, and completed Review Checklists.

### **2.3.3 On-Site Training**

Informal on-the-job training occurred during inspections to provide immediate site-specific guidance to facility supervisors and maintenance staff. The inspection schedule allots sufficient time for the inspector to discuss observations with the facility supervisor, DMSCW or designated facility representatives.

## **3.0 SUMMARY OF MAINTENANCE FACILITY COMPLIANCE INSPECTIONS RESULTS**

This section summarizes the inspection results and BMP implementation results of the 102 storm water compliance inspections, including re-inspections that were conducted statewide from July 2004 through June 2005. A detailed list of results is provided in the Database Summary.

### **3.1 FACILITY INSPECTION RESULTS BY DISTRICT**

During the reporting period, 83 individual facilities were inspected. Table 2 summarizes numeric and letter ratings by District of these 83 facilities. Numeric rating data in Table 2 show the following:

- 76 facilities (91 percent) received a rating of 1 or 2.
- 7 facilities (9 percent) of remaining facilities inspected received a 3 rating. All 7 facilities were in compliance after the first re-inspection. No additional re-inspections were required.
- None of the 83 facilities inspected during the reporting period received a rating of 4 or resulted in a discharge to a storm drain or waterway.

Letter rating data show the following:

- 31 facilities (37 percent) were rated A .
- 50 facilities (60 percent) were rated B.
- 2 facilities (3 percent) were rated C.

Table 3 summarizes the numeric and letter ratings for BMP effectiveness for all eight BMP categories.

**Table 2**  
**Compliance Review Facility Ratings Summary – By District**  
**July 2004 – June 2005**

Numeric Ratings Summary									
District	No. of Facilities Reviewed					Major Deficiencies		Critical Deficiencies	
		No Deficiencies		Minor Deficiencies					
		1 Rating		2 Rating		3 Rating		4 Rating	
<b>1</b>	4			4	<b>100%</b>				
<b>2</b>	5	2	<b>40%</b>	3	<b>60%</b>				
<b>3</b>	8	3	<b>38%</b>	4	<b>50%</b>	1	<b>12%</b>		
<b>4</b>	19	10	<b>53%</b>	5	<b>26%</b>	4	<b>21%</b>		
<b>5</b>	4			3	<b>75%</b>	1	<b>25%</b>		
<b>6</b>	6	1	<b>17%</b>	5	<b>83%</b>				
<b>7</b>	12	1	<b>8%</b>	10	<b>84%</b>	1	<b>8%</b>		
<b>8</b>	7	1	<b>14%</b>	6	<b>86%</b>				
<b>9</b>	5	1	<b>20%</b>	4	<b>80%</b>				
<b>10</b>	6	2	<b>33%</b>	4	<b>67%</b>				
<b>11</b>	4			4	<b>100%</b>				
<b>12</b>	3			3	<b>100%</b>				
<b>TOTAL</b>	83	21	<b>25%</b>	55	<b>66%</b>	7	<b>9%</b>	0	<b>0%</b>

Letter Rating Summary							
District	No. of Facilities Reviewed	Highly Effective		Moderately Effective		Ineffective	
		A Rating		B Rating		C Rating	
<b>1</b>	4			4	<b>100%</b>		
<b>2</b>	5	1	<b>20%</b>	4	<b>80%</b>		
<b>3</b>	8			7	<b>88%</b>	1	<b>12%</b>
<b>4</b>	19	3	<b>16%</b>	16	<b>84%</b>		
<b>5</b>	4	1	<b>25%</b>	2	<b>50%</b>	1	<b>25%</b>
<b>6</b>	6	4	<b>67%</b>	2	<b>33%</b>		
<b>7</b>	12	7	<b>58%</b>	5	<b>42%</b>		
<b>8</b>	7	5	<b>71%</b>	2	<b>29%</b>		
<b>9</b>	5	3	<b>60%</b>	2	<b>40%</b>		
<b>10</b>	6	1	<b>17%</b>	5	<b>83%</b>		
<b>11</b>	4	4	<b>100%</b>				
<b>12</b>	3	2	<b>67%</b>	1	<b>33%</b>		
<b>TOTAL</b>	83	31	<b>37%</b>	50	<b>60%</b>	2	<b>3%</b>

**Table 3**  
**Compliance Review BMP Ratings Summary – By BMP Category**  
**July 2004 – June 2005**

Numeric Rating Summary									
Best Management Practices Category	No. of Facilities w/BMP Activity	Compliant				Non-Compliant			
		Substantially Compliant		Minor Deficiencies		Major Deficiencies		Critical Deficiencies	
		1 Rating		2 Rating		3 Rating		4 Rating	
Building and Grounds Maintenance	83	34	41%	42	51%	7	8%		
Storage of Hazardous Materials (Working Stock)	80	73	91%	7	9%				
Material Storage Control (Hazardous Waste)	70	64	91%	6	9%				
Outdoor Storage of Raw Materials	69	36	53%	32	46%	1	1%		
Vehicle and Equipment Fueling	52	41	79%	10	19%	1	2%		
Vehicle and Equipment Cleaning	53	34	64%	17	32%	2	4%		
Vehicle and Equipment Maintenance and Repair	58	40	69%	18	31%				
Aboveground and Underground Tank Leak and Spill Control	38	33	87%	5	13%				

Letter Rating Summary							
Best Management Practices Category	No. of Facilities w/BMP Activity	Highly Effective		Moderately Effective		Ineffective	
		A Rating		B Rating		C Rating	
Building and Grounds Maintenance	83	33	40%	49	59%	1	1%
Storage of Hazardous Materials (Working Stock)	80	69	86%	11	14%		
Material Storage Control (Hazardous Waste)	70	54	77%	16	23%		
Outdoor Storage of Raw Materials	69	39	57%	29	42%	1	1%
Vehicle and Equipment Fueling	52	37	71%	15	29%		
Vehicle and Equipment Cleaning	53	30	58%	22	42%	1	1%
Vehicle and Equipment Maintenance and Repair	58	45	78%	13	22%		
Aboveground and Underground Tank Leak and Spill Control	38	32	84%	6	16%		

#### 4.0 MAINTENANCE FACILITY COMPLIANCE INSPECTION ASSESSMENTS AND TRENDS

This section summarizes overall BMP implementation and effectiveness trends observed during the reporting period. The overall status of storm water management compliance and BMP implementation is in compliance with the SWMP.

Overall improvements observed include a better understanding by Maintenance personnel of water pollution control requirements and proper BMP implementation through continued formal training (classroom), and informal training (BMP tailgate meeting, storm water reviews/inspections, etc.).

##### 4.1 BUILDING AND GROUNDS MAINTENANCE

Building and Grounds Maintenance BMPs are one of the most effective storm water management practices at facilities when implemented properly. Overall implementation and effectiveness of Building and Grounds Maintenance BMPs were in compliance with the SWMP at ninety-two percent (92%) of the facilities inspected.

At some maintenance facilities, implementation of Building and Grounds Maintenance BMPs may be improved in the following area(s):

- **Sweeping:** Sediment, debris, and trash were observed along the facility boundaries and storage areas. At these locations, additional sweeping should be implemented.
- **Housekeeping:** Improvement in housekeeping activities may be implemented to (1) minimize and cleanup minor leaks from vehicles and equipment and (2) minimize solid waste and debris stored at the facilities.

##### 4.2 STORAGE OF HAZARDOUS MATERIALS (WORKING STOCK)

The proper storage of hazardous materials is critical to prevent potential spills and leaks of the working stock at the facility. Overall implementation and effectiveness of storage of hazardous materials (working stock) BMPs were in compliance with the SWMP and highly effective. One hundred percent (100%) of the facilities were in compliance.

##### 4.3 MATERIAL STORAGE CONTROL (HAZARDOUS WASTE)

The proper storage of hazardous wastes is critical to prevent potential spills and leaks of hazardous wastes at the facility. Overall implementation and effectiveness of material storage control (hazardous waste) BMPs were in compliance with the SWMP and highly effective. One hundred percent (100%) of the facilities were in compliance.

##### 4.4 OUTDOOR STORAGE OF RAW MATERIALS

Most facilities store raw materials outdoors. Outdoor Storage of Raw Material BMPs, provide guidelines for minimizing the potential for these materials from being transported off the facility by storm water. Overall implementation and effectiveness of Outdoor Storage of Raw Materials BMPs were in compliance with the SWMP and highly to moderately effective. Ninety-nine percent (99%) of the facilities were in compliance.

At some maintenance facilities, implementation of Outdoor Storage of Raw Materials BMPs may be improved in the following area(s):

- **Tracking:** Minor tracking around asphalt, cinders, and sand storage areas were observed. This may be corrected by implementing better housekeeping practices, sweeping, and perimeter control.

#### 4.5 VEHICLE AND EQUIPMENT FUELING

The vehicle and equipment fueling BMP provide guidelines for minimizing the potential for spills and leaks of gasoline and diesel fuels. Overall implementation and effectiveness of vehicle and equipment fueling BMPs were in compliance with the SWMP and highly effective. Ninety-eight percent (98%) of the facilities were in compliance.

#### 4.6 VEHICLE AND EQUIPMENT CLEANING

These BMPs address proper practices for managing non-storm water pollutants (i.e., oils), excessive rinse water, and sediment associated with vehicle and equipment cleaning. Overall implementation and effectiveness of vehicle and equipment cleaning BMPs were in compliance with the SWMP and highly to moderately effective. Ninety-six percent (96%) of the facilities were in compliance.

At some maintenance facilities, implementation of Vehicle and Equipment Cleaning BMPs may be improved in the following area(s):

- **Water Conservation Practices:** For exterior wash areas or rinse areas that do not discharge to the sanitary sewer system, reduce the volume of water (positive shut-off nozzles) used to prevent the potential of water discharging off the facility.
- **Locations:** Some facilities have cleaning areas near discharge locations, drainage flow paths, or waterways. Relocate cleaning areas away from discharge locations, drainage paths or waterways.
- **Additional Training:** Implement additional training on the proper procedures for vehicle and equipment cleaning and non-storm water discharges.

#### 4.7 VEHICLE AND EQUIPMENT MAINTENANCE AND REPAIR

The vehicle and equipment maintenance and repair BMP addresses spills and leaks associated with fuels, oils, hydraulic fluids, lead-acid batteries, antifreeze, and oil filters. Overall implementation and effectiveness of vehicle and equipment maintenance and repair BMPs were in compliance with the SWMP and highly effective. One hundred percent (100%) of the facilities were in compliance.

#### 4.8 ABOVEGROUND AND UNDERGROUND TANK LEAK AND SPILL CONTROL

The aboveground and underground tank leak and spill control BMP addresses practices for handling fuels, oils, de-icing chemicals, and emulsions stored in tanks. Overall implementation and effectiveness of aboveground and underground tank leak and spill control BMPs were in compliance with the SWMP and highly effective. One hundred percent (100%) of the facilities were in compliance.

### 5.0 SUMMARY OF COMPLIANCE ASSISTANCE

This section summarizes the compliance assistance requested by the District Maintenance Storm Water Coordinators for assistance under Contracts No. 43A0133 and 43A0134 (third party consultant) in complying with the requirements of the Department's currently approved *Statewide Storm Water Management Plan (SWMP)* at maintenance facilities from July 2004 through June 2005. A detailed list of compliance assistance requests and status of the assistance provided are summarized in Table 4.

**Table 4**  
**Summary of Compliance Assistance**  
**July 2004 – June 2005**

<b>Project</b>	<b>District</b>	<b>Location</b>	<b>Date of Initial Site Visit</b>	<b>Summary of Assistance Provided</b>	<b>Current Status/ Action Items</b>
Rickey Site (Maintenance Materials Site), in Mono County	9	Rickey Site (Maintenance Materials Site), in Mono County	N/A (No site visit required)	This site was issued a Notice of Noncompliance from the RWQCB for failure to submit an Annual Report. The site operates under the Industrial General Storm Water Permit. The District would like our help in preparing a letter, with rationale, requesting that the RWQCB withdraw the permit and allow the site to be regulated under the Caltrans Statewide Storm Water Permit.	The draft letter from Caltrans District 9 to the RWQCB, requesting withdrawal from the individual permit, was submitted on December 13. Following Caltrans comments, a final letter was submitted on December 14, 2004. Final ARF submitted 2/7/05.
Wash Rack Evaluation and Design Criteria	6	Fresno, Bakersfield, and Visalia	6/21/05	Observed and evaluated three wash racks at the following maintenance yards in District 6. Prepared report summarizing findings and recommendations.	Report complete.



## **ATTACHMENT A**

### **MAINTENANCE FACILITY COMPLIANCE REVIEW RATING GUIDELINES AND PROCEDURES**

## Maintenance Facility Compliance Review Rating Guidelines and Procedures

The numeric rating criteria are as follows:

- 1 Rating** The facility is in compliance with Storm Water Management Plan (SWMP) requirements. Revisit will be conducted during the next cycle.
- No observed activities that contribute to a non-storm water discharge.
- 2 Rating** Minor deficiencies noted. The facility is in compliance with SWMP requirements. Revisit will be conducted during the next cycle.
- Minor housekeeping problems (e.g., some areas need sweeping, some litter, small fluid spots need cleanup and removal).
  - Minor waste management and storage problems (e.g., solid waste storage inadequate or exposed during rainfall).
- 3 Rating** Major deficiency noted that require prompt correction. A re-visit will be conducted within two weeks. District Maintenance Storm Water Coordinator and Headquarters Maintenance Storm Water personnel are notified.
- Potential non-storm water discharge.
  - Evidence of a prior non-storm water discharge that has not been completely cleaned up.
  - Multiple deficiencies described in the “2” rating, which cannot be corrected immediately.
- 4 Rating** Critical deficiency noted that require immediate correction. A re-visit will be conducted within one week. District Maintenance Storm Water Coordinator, District Managers, Environmental, and Headquarters Maintenance Storm Water personnel are notified.
- Observed non-storm water discharge.

**Note:** For ratings of 3 or 4, comments are required on the Review Summary Sheet describing the deficiencies.

The letter rating criteria are as follows:

- A Rating** Overall implementation of BMPs is highly effective.
- BMPs are implemented and maintained in good condition.
  - Some minor deficiencies with the implemented BMPs
- B Rating** Overall implementation of BMPs is moderately effective.
- Some BMPs are not fully or properly maintained.
  - Improper implementation of some BMPs.
  - Some BMPs have not been installed.
- C Rating** Major and critical deficiencies in the overall implementation of BMPs.
- Many BMPs improperly installed.
  - BMPs have failed due to non-maintenance.
  - Many BMPs not implemented or installed.

**ATTACHMENT B**

**CALTRANS MAINTENANCE FACILITY**

**STORM WATER COMPLIANCE REVIEW CHECKLIST**

Caltrans Maintenance Site Storm Water Compliance Review Checklist											
District:				Cost Center:				Overall Site Rating*			
Site Name:											
Address:								Date:			
Facility Supervisor:				Inspector(s):							
Facility Supervisor Phone No:				Phone No:							
Attendees:				Notification Contact:							
				Notification Date:							
Review Type: Initial Revisit				All Storm Drains Stenciled: Yes No N/A							
FPPP Available On Site: Yes No				Monthly Self Inspection Documented: Yes No							
Structural Treatment BMPs for Facility: Yes No				Type:							
BMP		CRITERION						BMP RATING*		COMMENT NUMBER(S)	
Building and Grounds Maintenance		Are the building and grounds maintained to reduce the potential for discharge of pollutants to the storm water drainage system?									
Storage of Hazardous Materials (Working Stock)		Are hazardous materials (working stock) properly managed to reduce the potential for discharge of pollutants to the storm water drainage system?									
Material Storage Control (Hazardous Waste)		Are hazardous wastes properly managed to reduce the potential for discharge of pollutants to the storm water drainage system?									
Outdoor Storage of Raw Materials		Are practices implemented to adequately reduce the potential for the discharge of products from outdoor raw materials storage sites to the storm water drainage system and to minimize exposure to storm water?									
Vehicle and Equipment Fueling		Are practices implemented to minimize contact between storm water and vehicle fluids at fueling areas?									
Vehicle and Equipment Cleaning		Are practices implemented that minimize contact between storm water and the equipment washing area and ensure that wash water is not discharged to the storm drainage system?									
Vehicle and Equipment Maintenance and Repair		Are practices implemented that reduce the discharge of potential pollutants from areas in which vehicle maintenance and repair activities are conducted and minimize contact between storm water and activity areas and products used?									
Aboveground and Underground Tank Leak and Spill Control		Are adequate practices implemented to reduce the discharge of potential pollutants to the storm drainage system from aboveground and underground storage tanks?									
*Description of Rating											
1		The site is in compliance with the Storm Water Management Plan (SWMP).									
2		Minor deficiencies noted. The site is in compliance with the SWMP.									
3		Major deficiency. Prompt correction required. A re-visit will be conducted _____									
4		Critical deficiency. Immediate correction required. A re-visit will be conducted _____									
A		Overall implementation of BMPs is highly effective.									
B		Overall implementation of BMPs is moderately effective.									
C		Major and critical deficiencies in overall implementation of BMPs.									